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[French]Derwent Title: Ultra-fine particulate alpha alumina - produced directly by aluminium
trichloride pyrolysis [\[Derwent Record\]](#)

Country: EP European Patent Office (EPO)

Kind: A1 Publ. of Application with search report i

Inventor: **Sextl, Gerhard, Dr.;**
Swarowsky, Herbert, Dr.;
Körfer, Martin;
Kleinschmit, Peter, Dr.;
Schwarz, Rudolf, Dr.;Assignee: **Degussa Aktiengesellschaft**
Corporate Tree data: [RAG AG \(RAGAG \)](#); [Degussa AG](#)
([DEGUSSA](#))
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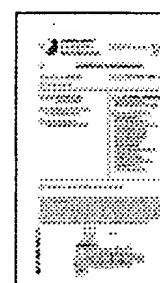
Published / Filed: 1990-11-07 / 1990-04-14

Application Number: EP1990000107159

IPC Code: Advanced: [C01F 7/30](#); [C09K 3/14](#);
Core: [C01F 7/00](#); more...
IPC-7: [C01F 7/30](#); [C09K 3/14](#);Priority Number: 1989-04-19 [DE1989003912842](#)
1990-03-23 [DE1990004009299](#)Abstract: à-Alumina having an à-alumina content of 20 to 80% by weight,
has a specific surface area according to BET (DIN 66 131) of 5 to
40 m²/g, primary particles which are present in virtually isolated
form and a primary particle distribution of about 20 to 500
nanometres, is prepared pyrogenically by evaporating aluminium
trichloride, mixing it with a carrier gas, burning this mixture in an
oxygen/combustible gas flame in a fire tube, maintaining a
temperature of 1200 to 1500°C in the fire tube or increasing it up to
1700°C and passing the reaction flue gases and the product
formed through a cooling zone of known design and separating off
the product from the reaction flue gases in a known manner.INPADOC [Show legal status actions](#) Get Now: [Family Legal Status Report](#)Legal Status:
Designated AT BE DE DK ES FR GB IT NL SE
Country:

Family:

PDF	Publication	Pub. Date	Filed	Title



<input checked="" type="checkbox"/>	JP03080106A2	1991-04-04	1990-04-19	ALPHA-ALUMINUM OXIDE AND ITS MANUFACTURE
<input checked="" type="checkbox"/>	EP0395925A1	1990-11-07	1990-04-14	Alpha-aluminium oxide and process for its preparation
<input checked="" type="checkbox"/>	DE4009299A1	1990-10-25	1990-03-23	(ALPHA)-ALUMINIUMOXID UND VERFAHREN ZUR HERSTELLUNG SEINER HERSTELLUNG
<input checked="" type="checkbox"/>	DD0293799A5	1991-09-12	1990-04-18	VERFAHREN ZUR PYROGENEN HERSTELLUNG VON ALPHA-ALUMINIUMOXID
4 family members shown above				

First Claim:
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1. α -Aluminiumoxid, gekennzeichnet durch einen α -Aluminiumoxidgehalt von 20 bis 80 Gew.-%, eine spezifische Oberfläche nach BET (DIN 66 131) von 5 bis 40 m²/g, nahezu isoliert vorliegenden Primärteilchen und einer Primärteilchenverteilung von ca. 20 bis 500 Nanometer.

Description
[Expand description](#)

Die Erfindung betrifft α -Aluminiumoxid sowie das Verfahren zu seiner Herstellung.
 + Beispiel:

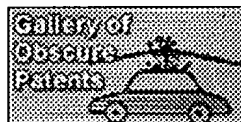
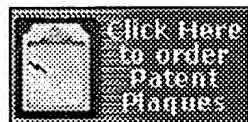
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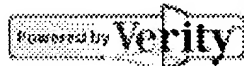
PDF	Patent	Pub.Date	Inventor	Assignee	Title
<input checked="" type="checkbox"/>	US6086948	2000-07-11	Roth; Barbara	Heraeus Electro-Nite International N.V.	Process for manufacturing diffusion-limiting layers in these layers

Other Abstract
 Info:

None



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